

Run on: March 11, 2003, 05:31:12 ; Search time 83 Seconds
 OM nucleic - nucleic search, using sw model

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Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Scoring table: IDENTITY_NUC
 Gappp 10.0 , Gapext 1.0

Searched: 441562 seqs, 153338381 residues

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
c 1	189.6	5.7	231 4 US-09-222-575-45	Sequence 45, Appl
c 2	130.8	3.9	160 4 US-09-222-575-44	Sequence 44, Appl
c 3	51.4	1.5	7218 1 US-08-323-463-14	Sequence 14, Appl
c 4	45	1.3	1926 4 US-09-549-585A-2	Sequence 2, Appl
c 5	45	2.580	3 US-09-550-863-2	Sequence 2, Appl
c 6	45	1.3	2580 4 US-09-359-081-2	Sequence 2, Appl
c 7	45	1.3	5452 2 US-09-130-114-1	Sequence 1, Appl
c 8	45	1.3	9600 4 US-09-647-1	Sequence 1, Appl
c 9	45	1.3	9600 4 US-09-620-925-1	Sequence 1, Appl
c 10	45	1.3	10596 1 US-07-884-811-15	Sequence 15, Appl
c 11	45	1.3	10596 1 US-08-595-911-15	Sequence 15, Appl
c 12	45	1.3	10596 1 US-08-087-783A-15	Sequence 15, Appl
c 13	45	1.3	10596 1 US-08-194-088B-15	Sequence 15, Appl
c 14	45	1.3	10596 2 US-08-194-087-15	Sequence 15, Appl
c 15	45	1.3	10596 5 PCT-US93-04648-15	Sequence 15, Appl
c 16	39	1.2	3708 1 US-08-185-233A-1	Sequence 1, Appl
c 17	39	1.2	3708 1 US-08-416-523-1	Sequence 1, Appl
c 18	39	1.2	3708 3 US-08-389-478-1	Sequence 1, Appl
c 19	37.8	1.1	678 4 US-09-227-357-81	Sequence 81, Appl
c 20	37	1.1	1530 4 US-09-149-476-306	Sequence 306, Appl
c 21	36.4	1.1	652 4 US-09-385-982-337	Sequence 337, Appl
c 22	36.2	1.1	1509 4 US-09-149-476-179	Sequence 179, Appl
c 23	35.8	1.1	1422 4 US-09-227-357-18	Sequence 44, Appl
c 24	35.6	1.1	4403765 4 US-09-103-840A-2	Patent No. 6387697
c 25	35.6	1.1	4411529 4 US-09-103-840A-1	GENERAL INFORMATION:
c 26	35.2	1.1	3900 2 US-08-356-060A-42	APPLICANT: Yugu, Jiang
c 27	35.2	1.1	3900 4 US-08-460-900G-42	APPLICANT: Dillon, Davin C.

ALIGNMENTS

RESULT 1
 US-09-222-575-45/C
 Sequence 45, Application US/09222575
 ; GENERAL INFORMATION:
 ; PATENT NO. 6387697
 ; APPLICANT: Yugu, Jiang
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Xu, Jiangchun
 ; INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
 ; TITLE OF INVENTION: and Methods for Their Use
 ; FILE REFERENCE: 210121.470
 ; CURRENT APPLICATION NUMBER: US/09/222,575
 ; CURRENT FILING DATE: 1998-12-28
 ; NUMBER OF SEQ ID NOS: 174
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO 45
 ; LENGTH: 231
 ; TYPE: DNA
 ; ORGANISM: Human

US-09-222-575-45

Query Match 5.7%; Score 189.6; DB 4; Length 231;
 Best Local Similarity 97.1%; Pred. No. 9.2e-46; Mismatches 4; Indels 2; Gaps 1;
 Matches 204; Conservative 0; Mismatches 4; Indels 2; Gaps 1;

QY 2194 GTGGGACGACAGATGCACTGACTGACCTCGGATTCAGGGATTCAGGGATGTCAGGTTCCTCCA 2251
 DB 231 GTCGACCCGACATGTCACCGACCTCCCGATTCCTGAGGGATGTCAGGTTCCTCCA 172

QY 2252 AAATCTATCACAGCCTACGCCCTGCCTGGCAGTCATCCCTCCAGAGGGACAGCTACA 2311
 DB 171 AAATCTATCACAGCCTACGCCCTGCCTGGCAGTCATCCCTCCAGAGGGACAGCTACA 112

QY 2312 AGGCCGGGTTCTCACAGCCCTCTAGCTTGCTGACTTATGGGGACACAG 2371
 DB 111 AGGCCGGGTTCTCACAGCCCTCTAGCTTGCTGACTTATGGGGACACAG 52

QY 2372 ATATGACTCTGGGGAAACCCCTCCCCAG 2401
 DB 51 ATATGACTCTGGGGAAACCCCTCCCCAG 22

RESULT 2
 US-09-222-575-44
 Sequence 44, Application US/09222575
 ; GENERAL INFORMATION:
 ; PATENT NO. 6387697
 ; APPLICANT: Yugu, Jiang
 ; APPLICANT: Dillon, Davin C.

APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Xu, Jianchun
 TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
 FILE REFERENCE: 210121-470
 CURRENT APPLICATION NUMBER: US/09/222,575
 CURRENT FILING DATE: 1998-12-28
 NUMBER OF SEQ ID NOS: 174
 LENGTH: 160
 SOFTWARE: FASTSEQ for Windows Version 3.0
 TYPE: DNA
 ORGANISM: Human
 US-09-222-575-44

Query Match Similarity 3.9%; Score 130; DB 4; Length 160;
 Best Local Similarity 97.9%; Pred. No. 1.2e-28; Mismatches 0; Indels 0; Gaps 1;
 Matches 143; Conservative 0; Mismatches 2;

QY 1965 GGCGTGTGAGCCCTGGTCCA-GGACCAAGAACAGATCACTCTGCTACA 2023
 Db 15 GTCTGTGTCGCCCTGGTCCAGGGACAAAGACACAGATCACTCTGCTACA 74

QY 2024 ATGATTGACCTTGTACCCAACTCCACCAAGACTTCAACTACACTTCTCCGCT 2083
 Db 75 ATGATTGACCTTGTACCCAACTCCACCAAGACTTCAACTACACTTCTCCGCT 134

QY 2084 TGGCAAACACCGTACTCTGCTGA 2109
 Db 135 TGGCAAACACCGTACTCTGCTGA 160

RESULT 3
 US-08-232-463-14
 Sequence 14, Application US/08/232463
 Patent No. 5670367
 GENERAL INFORMATION:
 APPLICANT: DORNER, F.
 APPLICANT: SCHEIFINGER, F.
 APPLICANT: FALKNER, F. G.
 TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
 NUMBER OF SEQUENCES: 52
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley & Lardner
 STREET: 1800 Diagonal Road, Suite 500
 CITY: Alexandria
 STATE: VA
 ZIP: 22313-0299
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/232,463
 FILING DATE: CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/07/935,313
 FILING DATE: APPLICATION NUMBER: EP 91 114 300.6
 ATTORNEY/AGENT INFORMATION:
 NAME: BENT, Stephen A.
 REGISTRATION NUMBER: 29,768
 REFERENCE/DOCKET NUMBER: 30472/114 1MMU
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703)683-9300
 TELEX: 899149
 INFORMATION SEQ ID NO: 14:
 SEQUENCE CHARACTERISTICS:

Query Match Similarity 1.5%; Score 51.4; DB 1; Length 7218;
 Best Local Similarity 8.4%; Pred. No. 0.00022; Mismatches 190; Indels 0; Gaps 0;
 Matches 37; Conservative 214; Mismatches 190;

QY 1717 CAGAGGACCACTTTCATGAGCAACAGGAAAGTACACCAATGAGCTGCCCAGATCTAC 1776
 Db 1020 CACAGAATTATCCGGACGCTTGCTGCAGGGAGCTTGCGATYYYYYYYYYYYYYY 1079

QY 1777 TCCATGAATGTCACCAATGTTATGATGGGTGGCTCTACTGCGTCCTGTCGCCCTA 1836
 Db 1080 YYY 1139

QY 1837 GAAGCCTCTGATGTGGCTCTCCCTGCACCTCTGTCCTCTGGTTACTATATGACCGA 1896
 Db 1140 YYY 1199

QY 1897 GATCAGGAACTTGCCACTCTGCCCCCTAACACAACTTGAAAGCCACCAGCTAT 1956
 Db 1200 YYY 1259

QY 1957 GGTGTCAGGCTGTGTCCTGTTGTCAGGGACCAAGAACAAAGATCCACTCTG 2016
 Db 1260 YYY 1319

QY 2017 TGCTACAAATGACCTCTCACGCAACACTCCAAACAGGACTTCACACTACACTC 2076
 Db 1320 YYY 1379

QY 2077 TCCGTTTGCSAACACCGTCACTTGCTGGAGGCCAAGCTTCACTTCAAAGGTG 2136
 Db 1380 YYY 1439

QY 2137 AAATACTCCATCACCTTAC 2157
 Db 1440 AAATCTCTCATCTTAC 1460

RESULT 4
 US-09-249-585A-2/C
 Sequence 2, Application US/09/249585A
 Patent No. 6417002
 GENERAL INFORMATION:
 APPLICANT: Horlick, Robert
 TITLE OF INVENTION: METHOD FOR MAINTENANCE AND SELECTION OF EPISOMES
 FILE REFERENCE: 0867-0D905
 CURRENT APPLICATION NUMBER: US/09/249,585A
 CURRENT FILING DATE: 1999-02-11
 NUMBER OF SEQ ID NOS: 18
 SOFTWARE: PatentIn version 3.0
 SEO ID NO 2
 LENGTH: 1926
 TYPE: DNA
 ORGANISM: Epstein Barr Virus
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (1). (1926)
 OTHER INFORMATION: Coding strand of EBNA-1 DNA

Query Match Similarity 1.3%; Score 45; DB 4; Length 1926;
 Best Local Similarity 49.4%; Pred. No. 0.0074%; Mismatches 117; Conservative 0; Indels 0; Gaps 0;
 Matches 117; Other Information: Coding strand of EBNA-1 DNA

QY 1689 CACTACGAGCTCACCTGGGCTTCCAGAGGACCACTTTCATGAGCAACGGAA 1748
 US-09-249-585A-2

RESULT 5
US-09-050-863-2/c
Sequence 2, Application US/09050863
Patent No. 614111
GENERAL INFORMATION:
APPLICANT: Lao, Ying
APPLICANT: Hiang, Betty
APPLICANT: Pavani, Don
TITLE OF INVENTION: Mammalian Protein Interaction Cloning
TITLE OF INVENTION: System
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
COMPUTER TYPE: Floppy disk
OPERATING SYSTEM: PC DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/050,863
FILING DATE: 30-MAR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Silva, Robin M.
REGISTRATION NUMBER: 38,304
REFERENCE/DOCKET NUMBER: A-65638/DJB/RMS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 949-8711
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2580 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-359-081-2
Query Match 1.3%; Score 45; DB 3; Length 2580;
Best Local Similarity 49.4%; Pred. No. 0.0088;
Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
Query Match 1.3%; Score 45; DB 3; Length 2580;
Best Local Similarity 49.4%; Pred. No. 0.0088;
Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
Qy 1689 CACTACCAAGAGCTTCACCTGGCCAGAGGACACTTTCATGAGGCCAGGAA 1748
Db 1488 CTCTTCAACGACTTCCCCCTGGCTTCACTACCCGGCGCCCACTAC 1429
Qy 1749 GTACACCAATGAGGTACTCCATCACTGACCAATGTTATGATGGGT 1808
Db 1428 CTCTCGACCCGGCTCCACTACCTCCGACCCGGCTCCACTGCCTCGACCC 1369
Qy 1809 GGCTCTACTGCCGRCCTGCGCTAGAGGCCTCTGANGTGSGCTCCGACCTC 1868
Db 1368 GGCTCCACCTCTGCTCTGCCCTCTGCGCTCCGCGCTCCGCGCTC 1309
Qy 1869 TGGTCTGTGGTACTATTGACGAGATGAGAACATGCCACTCGCC 1925
Db 1308 CTGCCCCCTCTGCTCTGCCCTCTGCGCTCCGCGCTCCGCGCTC 1252

RESULT 6
US-09-359-081-2/c
Sequence 2, Application US/09359081
Patent No. 6316223
GENERAL INFORMATION:
APPLICANT: Lao, Ying
APPLICANT: Hiang, Betty
APPLICANT: Pavani, Don
TITLE OF INVENTION: Mammalian Protein Interaction Cloning
TITLE OF INVENTION: System
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-4187
COMPUTER READABLE FORM:
COMPUTER TYPE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/359,081
FILING DATE: 22-JUL-1999
CLASSIFICATION: <Unknown>
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 09/050,863
ATTORNEY/AGENT INFORMATION:
NAME: Silva, Robin M.
REGISTRATION NUMBER: 38,304
REFERENCE/DOCKET NUMBER: A-65638/DJB/RMS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 949-8711
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 2580 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-359-081-2
Query Match 1.3%; Score 45; DB 4; Length 2580;
Best Local Similarity 49.4%; Pred. No. 0.0088;
Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
Qy 1689 CACTACCAAGAGCTTCACCTGGCCAGAGGACACTTTCATGAGGCCAGGAA 1748
Db 1488 CTCTTCAACGACTTCCCCCTGGCTTCACTACCCGGCGCCCACTAC 1429
Qy 1749 GTACACCAATGAGGTACTCCATCACTGACCAATGTTATGATGGGT 1808
Db 1428 CTCTCGACCCGGCTCCACTACCTCCGACCCGGCTCCACTGCCTCGACCC 1369
Qy 1809 GGCTCTACTGCCGRCCTGCGCTAGAGGCCTCTGANGTGSGCTCCGACCTC 1868
Db 1368 GGCTCCACCTCTGCTCTGCCCTCTGCGCTCCGCGCTCCGCGCTC 1309
Qy 1869 TGGTCTGTGGTACTATTGACGAGATGAGAACATGCCACTCGCC 1925
Db 1308 CTGCCCCCTCTGCTCTGCCCTCTGCGCTCCGCGCTCCGCGCTC 1252

RESULT 7
US-09-130-114-1
Sequence 1, Application US/09130114
; Patent No. 5976807
; GENERAL INFORMATION:
; APPLICANT: Horlick, Robert A.
; APPLICANT: Dama, Bassam B.
; FILE REFERENCE:
; TITLE OF INVENTION: Eukaryotic Cells Stably Expressing Genes
; CURRENT APPLICATION NUMBER: US/09130114
; CURRENT FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 1
; LENGTH: 9600 base pairs
; TYPE: DNA
; ORGANISM: VEEBA
; US-09-130-114-1

Query Match 1.3%; Score 45; DB 2; Length 5452;
Best Local Similarity 49.4%; Pred. No. 0.014; Mismatches 0; Gaps 0;
Matches 117; Conservative 0; Indels 0; Gaps 0;

QY 1689 CACTACACAGCTTACCCGGGCTTCAGGACACTTTTCATGAGGCAGAGGAA 1748
Db 1317 CTCTTCACAGACTTCCCCCGGGCTTCACTACGCTCTACCCGGGCTCCACTAC 1376
QY 1749 GTACACCAAGCTGCGCAGATCTCATCATGTCACCAAGTTATGCGGT 1808
Db 1377 CTCCCTGACCCGGGCTTCACTACGCTCTACCCGGGCTCACGCTCC 1436
QY 1809 GGCTCTTACTGCGCCCTGTCCTAGAAGCTCTGATGGGCTCTGACCTC 1868
Db 1437 GGCCCTCACCTCTGCGCCCTCTGCGCCCTCTGCGCCCTCTGCGCCCTC 1496
QY 1869 TTGCTCTGCTGTTACTATATTGACGAGATCGAACCTGCCACTCC 1925
Db 1497 CTGCCCTCTGCTCTGCCCTCTGCTCTGCCCTCTGCGCCCTCTGCGCCCTC 1553

RESULT 8
US-09-910-647-1/C
; Sequence 1, Application US/0910647
; Patent No. 6251433
; GENERAL INFORMATION:
; APPLICANT: Zuckermann et al.
; TITLE OF INVENTION: Compositions and Methods for
; NUMBER OF INVENTIONS: Polynucleotide Delivery
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608-2916

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/620, 925
FILING DATE: 21-JUL-2000
CLASSIFICATION: <Unknown>
PRIORITY DATA:
APPLICATION NUMBER: 08/910, 647
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Fujita, Sharon M.
REGISTRATION NUMBER: 38, 459
REFERENCE/DOCKET NUMBER: 1218. 002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 923-2706
TELEFAX: (510) 655-3542
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 9600 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
MOLECULE TYPE: DNA (genomic)
US-08-910-647-1

Query Match 1.3%; Score 45; DB 4; Length 9600;
Best Local Similarity 49.4%; Pred. No. 0.02; Mismatches 0; Gaps 0;
Matches 117; Conservative 0; Indels 0; Gaps 0;

QY 1689 CACTACACAGCTTACCCGGGCTTCAGGACACTTTTCATGAGGCAGAGGAA 1748
Db 1474 CTCCCTGACCCGGGCTTCACTACGCTCTGACCCGGGCTCCACTAC 1415
QY 1809 GGCTCTTACTGCGCCCTGTCCTAGAAGCTCTGATGGGCTCTGACCTC 1868
Db 1414 GGCCCTCACCTCTGCGCCCTCTGCGCCCTCTGCGCCCTCTGCGCCCTC 1355
QY 1869 TTGCTCTGCTGTTACTATATTGACGAGATCGAACCTGCCACTCC 1925
Db 1354 CTGCCCTCTGCTCTGCCCTCTGCTCTGCCCTCTGCGCCCTCTGCGCCCTC 1298

RESULT 9
US-09-620-925-1/C
; Sequence 1, Application US/09620925
; Patent No. 6468986
; GENERAL INFORMATION:
; APPLICANT: Zuckermann et al.
; TITLE OF INVENTION: Compositions and Methods for
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 94608-2916

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/620, 925
FILING DATE: 21-JUL-2000
CLASSIFICATION: <Unknown>
PRIORITY DATA:
APPLICATION NUMBER: 08/910, 647
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Fujita, Sharon M.
REGISTRATION NUMBER: 38, 459
REFERENCE/DOCKET NUMBER: 1218. 002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 923-2706
TELEFAX: (510) 655-3542
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 9600 base pairs
TYPE: nucleic acid
STRANDEDNESS: single

MOLECULE TYPE: DNA (genomic) ; SEQUENCE DESCRIPTION: SEQ ID NO: 1;

Query Match 1.3%; Score 45; DB 4; Length 9600;
 Best Local Similarity 49.4%; Pred. No. 0.02; Mismatches 120; Indels 0; Gaps 0; Matches 117; Conservative

Qy 1689 CACTACACAGAGGTTCACTGGGCTTCAGAGGACACTTTCATGGCAAGCAGGAA 1748
 Db 3008 CTCTTTACGACTTCCCCCTCGCTCTTCAGTCCTCATCCGCAGGGCTCCACTAC 3099

Qy 1534 CTCTTTACGACTTCCCCCTCGCTCTTCAGTCCTCATCCGCAGGGCTCCACTAC 1475
 Db 3068 CTCTTTACGACTTCCCCCTCGCTCTTCAGTCCTCATCCGCAGGGCTCCACTAC 3099

Qy 1749 GTACACCATGAGGTGCGCAAGAATCTACTCCATCAATGTCACCAATGTTATGAATGGGT 1808
 Db 2948 GGCTTCACCTCTCTGCTGCCCTCTGCTCCCTCTGCTCCCTCTGCTCCCT 2889

Qy 1869 TTGCTCTGTTACTATATGACCGAGATTCAGGACCTCTCCACTCTCCCTCCC 1925
 Db 3108 CTGCCCCCTCGCTGCCCTCGCCCTCTGCTCCCTCTGCTCCCT 2949

Qy 1474 CTCTCGACCCGGCTCACTCTCGACCCGGCTCACTTGCGACCC 1415
 Db 2888 CTGCCCCCTCGCTGCCCTCGCCCTCTGCTCCCTCTGCTCCCT 2832

RESULT 10
 US-07-884-811-15/C
 ; Sequence 15, Application US/07884811

PATENT NO. 5316931

GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J. Lokker, Nathalie A. Mark, Melanie R.

TITLE OF INVENTION: SINGLE-CHAIN HEPATOCYTE GROWTH FACTOR VARIANTS
 NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 COMPUTER TYPE: 5.25 inch, 360 kb floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/884,811
 FILING DATE: 19920518
 CLASSIFICATION: 530
 FILING DATE: 19920318
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/07/885,971
 FILING DATE: 19920518
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/07/885,971
 FILING DATE: 19920318
 ATTORNEY/AGENT INFORMATION:
 NAME: Drieger, Ginger R.
 REGISTRATION NUMBER: 33,055
 REFERENCE/DOCKET NUMBER: 779
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-3216
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:
 LENGTH: 10596 bases
 TYPE: NUCLEIC ACID
 STRANDEDNESS: single
 TOPOLOGY: linear

US-07-884-811-15
 Query Match 1.3%; Score 45; DB 1; Length 10596;
 Best Local Similarity 49.4%; Pred. No. 0.021; Mismatches 120; Indels 0; Gaps 0; Matches 117; Conservative

Qy 1689 CACTACACAGAGGTTCACTGGGCTTCAGAGGACACTTTCATGGCAAGCAGGAA 1748
 Db 3008 CTCTTTACGACTTCCCCCTCGCTCTTCAGTCCTCATCCGCAGGGCTCCACTAC 3099

Qy 1749 GTACACCATGAGGTGCGCAAGAATCTACTCCATCAATGTCACCAATGTTATGAATGGGT 1808
 Db 3008 CTCTCGACCCGGCTCACTACTCTCGACCCGGCTCCACTAC 2949

Qy 1809 GGCTTCACCTCTGCTGCCCTCTGCTCCCTCTGCTCCCTCTGCTCCCT 2909

Qy 1869 TTGCTCTGTTACTATATGACCGAGATTCAGGACCTCTCCACTCTCCCTCCC 1925
 Db 3108 CTGCCCCCTCGCTGCCCTCGCCCTCTGCTCCCTCTGCTCCCT 2949

RESULT 11
 US-07-885-971-15/C
 ; Sequence 15, Application US/07885971

PATENT NO. 5328837

GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J. Lokker, Nathalie A. Mark, Melanie R.

TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR PROTEASE DOMAIN VARIANTS
 NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 COMPUTER TYPE: 5.25 inch, 360 kb floppy disk
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (Genentech)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/885,971
 FILING DATE: 19920318
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/07/885,971
 FILING DATE: 19920318
 ATTORNEY/AGENT INFORMATION:
 NAME: Drieger, Ginger R.
 REGISTRATION NUMBER: 33,055
 REFERENCE/DOCKET NUMBER: 779
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-3216
 TELEFAX: 415/952-9881
 TELEX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:
 LENGTH: 10596 bases
 TYPE: NUCLEIC ACID
 STRANDEDNESS: single
 TOPOLOGY: linear

US-07-885-971-15
 Query Match 1.3%; Score 45; DB 1; Length 10596;
 Best Local Similarity 49.4%; Pred. No. 0.021; Mismatches 120; Indels 0; Gaps 0; Matches 117; Conservative

Qy 1689 CACTACACAGAGGTTCACTGGGCTTCAGAGGACACTTTCATGGCAAGCAGGAA 1748
 Db 3008 CTCTTTACGACTTCCCCCTCGCTCTTCAGTCCTCATCCGCAGGGCTCCACTAC 3099

Qy 1749 GTACACCATGAGGTGCGCAAGAATCTACTCCATCAATGTCACCAATGTTATGAATGGGT 1808
 Db 3008 CTCTCGACCCGGCTCACTACTCTCGACCCGGCTCCACTAC 2949

Qy 1809 GGCTTCACCTCTGCTGCCCTCTGCTCCCTCTGCTCCCTCTGCTCCCT 2909

Db 2948 GGCCTCCACCCCTCTGCTCCGCCCTCTGCTCTGCCCTCTGCTCCGCCCTC 2889
 Qy 1869 TTGTCTCTGCTGTGTTACTATATGACCGAGATTAGGAACTTGCAACTCTGCCCCC
 ; Sequence 15, Application US/08087783A
 Db 2888 CTGCCCTCTGCTCTGCCCTCTGCTCTGCCCTCTGCTCTGCCCTC 2832
 ;
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J., Loker, Nathalie A., Mark, Melanie R.
 TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR VARIANTS
 NUMBER OF SEQUENCES: 22
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/087,783A
 FILING DATE: 13-Jul-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/884811
 FILING DATE: 18-MAY-92
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/087,783A
 FILING DATE: 18-MAY-92
 ATTORNEY/AGENT INFORMATION:
 NAME: Marschang, Diane L.
 REGISTRATION NUMBER: 35,600
 REFERENCE/DOCKET NUMBER: P0755779P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-5416
 TELEX: 910/37-7168
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 10596 base pairs
 TYPE: Nucleic Acid
 STRANDEDNESS: Single
 TOPOLOGY: Linear
 US 08-087-783A-15
 Query Match 1.3%; Score 45; DB 1; Length 10596;
 Best Local Similarity 49.4%; Pred. No. 0.021; Mismatches 117; Conservatve 0; Indels 0; Gaps 0;
 Matches 117; Conservative 0; Mismatches 120; Indels 0; Gaps 0;
 Matches 117; Conservatve 0; Mismatches 120; Indels 0; Gaps 0;
 Qy 1689 CACTACCAAGGTTTACCTGGGCTTCAGAGGACACTTTCATGGCAAGCAGAA 1748
 ;
 Db 3068 CTCTTTCACGACTTCCCTCTGGCTTACGGTCTACCCCGGGCTTCACTAC 3009
 Qy 1749 GTACACCAATGAGGTGGCAAGACTCATCTCAATGTCACCAATGATGGGT 1808
 ;
 Db 3008 CTCTTGACCCGGCTTCACTACTCCCTGACCCGGCTCCACTGGCTTCTGACCCC 2949
 Qy 1749 GTACACCAATGAGGTGGCAAGACTCATCTCAATGTCACCAATGATGGGT 1808
 ;
 Db 3008 CTCTTGACCCGGCTTCACTACTCCCTGACCCGGCTCCACTGGCTTCTGACCCC 2949
 Qy 1809 GGCTCTCTAGTGCCCTCCGTGCGCTTAGAGGACCTGCTGAATGTTGGCTCTCTGACCCC 1868
 ;
 Db 2948 GGCTCTCACCTCTGCTCTGCCCTCTGCTCTGCCCTC 2889
 Qy 1869 TTGTCTCTGCTGTGTTACTATATGACCGAGATTAGGAACTTGCAACTCTGCCCCC
 ; Sequence 15, Application US/08194087
 Db 2888 CTGCCCTCTGCTCTGCCCTCTGCTCTGCCCTC 2832
 ;
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J., Loker, Nathalie A., Mark, Melanie R.
 TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR PROTEASE DOMAIN VARIANTS
 NUMBER OF SEQUENCES: 21
 RESULT 12
 US 08-087-783A-15/c
 ; Sequence 15, Application US/08194088B
 Db 2888 CTGCCCTCTGCTCTGCCCTCTGCTCTGCCCTC 2832
 ;
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J., Loker, Nathalie A., Mark, Melanie R.
 TITLE OF INVENTION: SINGLE-CHAIN HEPATOCYTE GROWTH FACTOR VARIANTS
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/194,088B
 FILING DATE: 09-FEB-1994
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/884811
 FILING DATE: 18-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Gallegos, R. Thomas
 REGISTRATION NUMBER: 32,692
 REFERENCE/DOCKET NUMBER: 755D1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-2614
 TELEX: 415/952-9881
 FAX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 10596 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US 08-087-783A-15
 Query Match 1.3%; Score 45; DB 1; Length 10596;
 Best Local Similarity 49.4%; Pred. No. 0.021; Mismatches 117; Conservatve 0; Indels 0; Gaps 0;
 Matches 117; Conservatve 0; Mismatches 120; Indels 0; Gaps 0;
 Matches 117; Conservatve 0; Mismatches 120; Indels 0; Gaps 0;
 Qy 1689 CACTACCAAGGTTTACCTGGGCTTCAGAGGACACTTTCATGGCAAGCAGAA 1748
 ;
 Db 3068 CTCTTTCACGACTTCCCTCTGGCTTACGGTCTACCCCGGGCTTCACTAC 3009
 Qy 1749 GTACACCAATGAGGTGGCAAGACTCATCTCAATGTCACCAATGATGGGT 1808
 ;
 Db 3008 CTCTTGACCCGGCTTCACTACTCCCTGACCCGGCTCCACTGGCTTCTGACCCC 2949
 Qy 1809 GGCTCTCTAGTGCCCTCCGTGCGCTTAGAGGACCTGCTGAATGTTGGCTCTCTGACCCC 1868
 ;
 Db 2948 GGCTCTCACCTCTGCTCTGCCCTCTGCTCTGCCCTC 2889
 Qy 1869 TTGTCTCTGCTGTGTTACTATATGACCGAGATTAGGAACTTGCAACTCTGCCCCC 1925
 ;
 Db 2888 CTGCCCTCTGCTCTGCCCTCTGCTCTGCCCTC 2832
 ;
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J., Loker, Nathalie A., Mark, Melanie R.
 TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR PROTEASE DOMAIN VARIANTS
 NUMBER OF SEQUENCES: 21
 RESULT 13
 US 08-194-088B-15/c
 ; Sequence 15, Application US/08194088B
 Db 2888 CTGCCCTCTGCTCTGCCCTCTGCTCTGCCCTC 2832
 ;
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J., Loker, Nathalie A., Mark, Melanie R.
 TITLE OF INVENTION: SINGLE-CHAIN HEPATOCYTE GROWTH FACTOR VARIANTS
 NUMBER OF SEQUENCES: 21
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patin (genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/194,088B
 FILING DATE: 09-FEB-1994
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/884811
 FILING DATE: 18-MAY-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Gallegos, R. Thomas
 REGISTRATION NUMBER: 32,692
 REFERENCE/DOCKET NUMBER: 755D1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415/225-2614
 TELEX: 415/952-9881
 FAX: 910/371-7168
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 10596 bases
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US 08-194-088B-15
 Query Match 1.3%; Score 45; DB 1; Length 10596;
 Best Local Similarity 49.4%; Pred. No. 0.021; Mismatches 117; Conservatve 0; Indels 0; Gaps 0;
 Matches 117; Conservatve 0; Mismatches 120; Indels 0; Gaps 0;
 Matches 117; Conservatve 0; Mismatches 120; Indels 0; Gaps 0;
 Qy 1689 CACTACCAAGGTTTACCTGGGCTTCAGAGGACACTTTCATGGCAAGCAGAA 1748
 ;
 Db 3068 CTCTTTCACGACTTCCCTCTGGCTTACGGTCTACCCCGGGCTTCACTAC 3009
 Qy 1749 GTACACCAATGAGGTGGCAAGACTCATCTCAATGTCACCAATGATGGGT 1808
 ;
 Db 3008 CTCTTGACCCGGCTTCACTACTCCCTGACCCGGCTCCACTGGCTTCTGACCCC 2949
 Qy 1809 GGCTCTCTAGTGCCCTCCGTGCGCTTAGAGGACCTGCTGAATGTTGGCTCTCTGACCCC 1868
 ;
 Db 2948 GGCTCTCACCTCTGCTCTGCCCTCTGCTCTGCCCTC 2889
 Qy 1869 TTGTCTCTGCTGTGTTACTATATGACCGAGATTAGGAACTTGCAACTCTGCCCCC 1925
 ;
 Db 2888 CTGCCCTCTGCTCTGCCCTCTGCTCTGCCCTC 2832
 ;
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J., Loker, Nathalie A., Mark, Melanie R.
 TITLE OF INVENTION: HEPATOCYTE GROWTH FACTOR PROTEASE DOMAIN VARIANTS
 NUMBER OF SEQUENCES: 21

